

FIG. 1

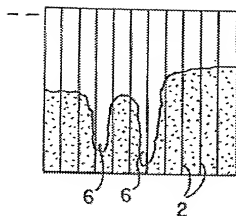


FIG. 2a

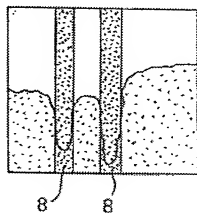


FIG. 2b

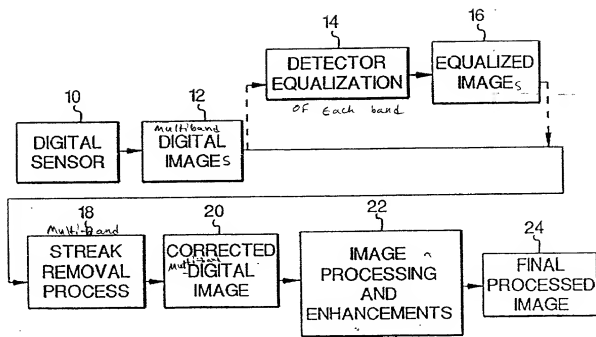


FIG. 3

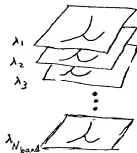


FIG. 4

IN

28 TRANSFORM MULTI-BAND DATA TO
SPECTRALLY ADVANTAGEOUS SPACE

30 SELECT TWO ADJACENT COLUMNS
OF IMAGE DATA

32 CREATE COLUMN OF PIXEL VALUE
PAIRS, $i(x,y)$ AND $i(x+1,y)$

34 CALCULATE LOCAL MEANS,
 $\mu(x,y,z_{ref})$, $\mu(x+1,y,z_{ref})$,
 $\mu(x,y,z_{test_i})$

36 CALCULATE CORRELATION
BETWEEN BANDS

37 ~~37~~ CALCULATE LOCAL DIFFERENCE
METRIC, $M(x,y)$

38 REMOVE PIXEL VALUES FROM COLUMN
OF PIXEL VALUE PAIRS WHERE $|i(x,y)-i(x+1,y)| >$
 T_Δ OR $M(x,y) > T_M$

40 DETERMINE INITIAL ESTIMATE OF LINEAR
REGRESSION SLOPE $\Delta a'_x$

42 DETERMINE INITIAL ESTIMATE OF LINEAR
REGRESSION OFFSET $\Delta b'_x$

44 CALCULATE STANDARD ERROR OF
LINEAR REGRESSION, S_e

B

FIG. 5A

FIG. 5B

FIG. 5

FIG. 5A

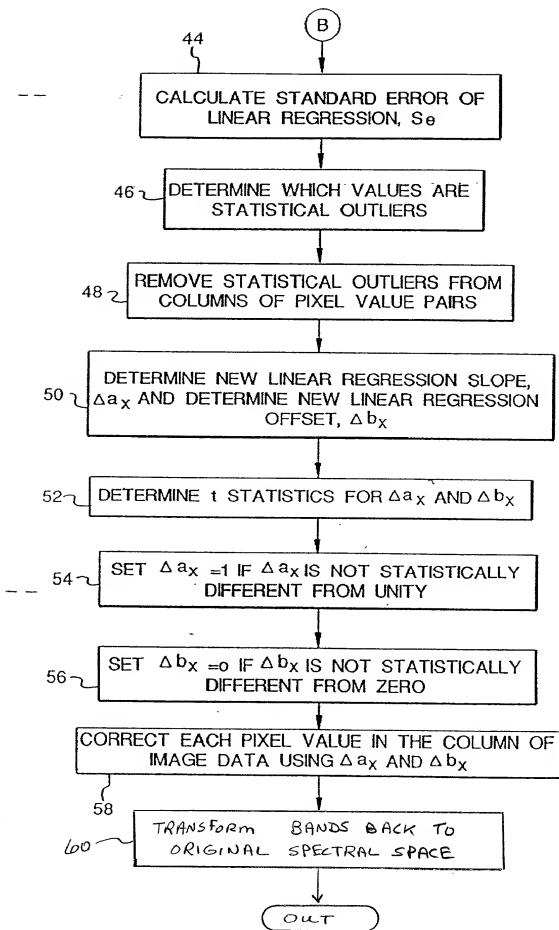


FIG. 5B

35

$i(x, y - \frac{N-1}{2})$	$i(x+1, y - \frac{N-1}{2})$
$i(x, y-1)$	$i(x+1, y-1)$
$i(x, y)$	$i(x+1, y)$
$i(x, y+1)$	$i(x+1, y+1)$
$i(x, y + \frac{N-1}{2})$	$i(x+1, y + \frac{N-1}{2})$

FIG. 56

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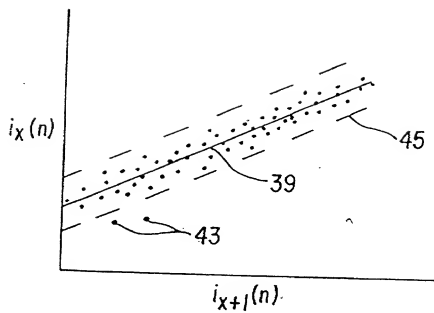


FIG. 7